

Title (en)
LINEAR ACTUATOR

Title (de)
LINEARANTRIEB

Title (fr)
ACTIONNEUR LINÉAIRE

Publication
EP 3175145 B1 20180926 (EN)

Application
EP 15760084 A 20150729

Priority
• DK PA201400424 A 20140729
• DK 2015000031 W 20150729

Abstract (en)
[origin: WO2016015731A2] Linear actuator comprising a housing (1) with an electric motor (6), which through a transmission (12) drives a spindle (10) with a spindle nut (13). To the spindle nut (13) is secured a tubular adjustment element (3), which is guided in a guide tube (2). A bushing (15) is secured at the rear end of the guide tube (2) by means of which the guide tube (2) is secured to the chassis (7) of the actuator. Expediently, the securing is done with stampings (16) from the outer side of the mounting bushing (15) and into the guide tube (2). These stampings (16) are appropriately done opposite channels, such as screw channels (17) in the guide tube (2), such that the stampings (16) are received in the channels and moreover do not in a disrupting manner protrude into the guide tube (2) and prevent the movement of the spindle nut (13) and the adjustment element (3), respectively.

IPC 8 full level
F16H 25/20 (2006.01)

CPC (source: CN EP US)
F16H 25/20 (2013.01 - CN EP US); **H02K 5/04** (2013.01 - US); **H02K 7/06** (2013.01 - US); **H02K 7/1166** (2013.01 - US);
F16H 2025/2031 (2013.01 - CN EP US); **F16H 2025/204** (2013.01 - CN EP US); **F16H 2025/209** (2013.01 - CN EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016015731 A2 20160204; WO 2016015731 A3 20160602; CN 106536984 A 20170322; DK 3175145 T3 20190107;
EP 3175145 A2 20170607; EP 3175145 B1 20180926; EP 3453918 A1 20190313; EP 3453919 A1 20190313; HU E041505 T2 20190528;
JP 2017529817 A 20171005; JP 6692794 B2 20200513; PL 3175145 T3 20190430; TR 201819469 T4 20190121; US 10432062 B2 20191001;
US 2017222516 A1 20170803

DOCDB simple family (application)
DK 2015000031 W 20150729; CN 201580040513 A 20150729; DK 15760084 T 20150729; EP 15760084 A 20150729; EP 18000739 A 20150729;
EP 18000740 A 20150729; HU E15760084 A 20150729; JP 2017503860 A 20150729; PL 15760084 T 20150729; TR 201819469 T 20150729;
US 201515329138 A 20150729